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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the Application of:

**OKI, Katsuyoshi**

Group Art Unit: **2681**

Serial No.: **10/549,580**

Examiner: **Not Yet Assigned**

Filed: **September 19, 2005**

P.T.O. Confirmation No.: **1185**

For: **VEHICLE-MOUNTED ACOUSTIC APPARATUS**

**LETTER**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

August 14, 2006

Sir:

The attention of the Patent and Trademark Office is hereby directed to the PCT Notification of Transmittal of copies of translation of the International Preliminary Report attached herewith.

This Notification is submitted herewith to be placed in the U.S. Patent and Trademark Office file of this case.

Respectfully submitted,

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Atty. Docket No. **050568**  
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**23850**

PATENT TRADEMARK OFFICE

Enclosures: PCT Notification of Transmittal of Copies of Translation  
of the International Preliminary Report.

PATENT COOPERATION TREATY

PCT/JP2004/012048

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY  
(CHAPTER I OR CHAPTER II)  
OF THE PATENT COOPERATION TREATY)  
(PCT Rules 44bis.3(c) and 72.2)

To:

MARUYAMA, Toshiyuki  
10-12, Nakamiya 4-chome, Asahi-ku, Osaka-shi, Osaka  
5350003  
JAPON



Date of mailing (day/month/year) 29 June 2006 (29.06.2006)	
Applicant's or agent's file reference F1040487WO00	<b>IMPORTANT NOTIFICATION</b>
International application No. PCT/JP2004/012048	International filing date (day/month/year) 23 August 2004 (23.08.2004)
Applicant SANYO ELECTRIC CO., LTD. et al	

**1. Transmittal of the translation to the applicant.**

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

**2. Transmittal of the copy of the translation to the designated or elected Offices.**

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

None

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, EP, ES, FI, GB, GD, GÉ, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

**3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).**

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

**It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.**

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  Yoshiko Kuwahara
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 90 90

**PATENT COOPERATION TREATY**

**PCT**

**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
(Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference F1040487WO00	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. PCT/JP2004/012048	International filing date (day/month/year) 23 August 2004 (23.08.2004)	Priority date (day/month/year) 17 September 2003 (17.09.2003)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant SANYO ELECTRIC CO., LTD.			

1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 6 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

<input checked="" type="checkbox"/> Box No. I	Basis of the report
<input type="checkbox"/> Box No. II	Priority
<input type="checkbox"/> Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
<input type="checkbox"/> Box No. IV	Lack of unity of invention
<input checked="" type="checkbox"/> Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
<input checked="" type="checkbox"/> Box No. VI	Certain documents cited
<input type="checkbox"/> Box No. VII	Certain defects in the international application
<input type="checkbox"/> Box No. VIII	Certain observations on the international application

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).

Date of issuance of this report  
20 June 2006 (20.06.2006)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 740 14 35	Authorized officer  Yoshiko Kuwahara  Telephone No. +41 22 338 90 90
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# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

PCT

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Applicant's or agent's file reference <b>F1040487W00</b>		Date of mailing (day/month/year)	
International application No. <b>PCT/JP2004/012048</b>	International filing date (day/month/year) <b>23.08.2004</b>	FOR FURTHER ACTION See paragraph 2 below Priority date (day/month/year) <b>17.09.2003</b>	
International Patent Classification (IPC) or both national classification and IPC			
Applicant <b>SANYO ELECTRIC CO., LTD.</b>			

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT / JP 2004/012048

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

This opinion has been established on the basis of a translation from the original language into the following language  
, which is the language of a translation furnished for the purposes of international search (under  
Rule 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

a sequence listing  
 table(s) related to the sequence listing

b. format of material

in written format  
 in computer readable form

c. time of filing/furnishing

contained in the international application as filed.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority for the purposes of search.

3.  In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT/JP2004/012048

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement

1. Statement

Novelty (N)	Claims 3-6	YES
	Claims 1, 2	NO
Inventive step (IS)	Claims 5	YES
	Claims 1-4, 6	NO
Industrial applicability (IA)	Claims 1-6	YES
	Claims	NO

2. Citations and explanations:

Document 1: JP 2002-320023 A (Pioneer Electronic Corp.), 31 October 2002, Par. No. 0008-0010, 0033, 0082, 0107-0109, Figs. 1, 2, 5, 9

Document 2: CD-ROM of the specification and drawings annexed to the request of Japanese Utility Model Application No. 70150/1991 (Laid-open Utility Model No. 18152/1993) (Honda Access Corp.), 05 March 1993, Par. No. 0004, 0010-0012, 0015, Figs. 1, 3

Document 3: JP 11-187102 A (YOSHIDA Hiroshi), 09 July 1999, Par. No. 0005

Document 4: JP 52-079621 A (Citizen Watch Co., Ltd.), 04 July 1977, Full text, all drawings

Document 5: JP 54-004526 A (Centre Electronique Horloger SA), 13 January 1979, Full text, all drawings & US 4199751 A, GB 1603750 A & DE 2824913 A, CH 615520 A

Document 6: JP 2003-174676 A (Denso Corp.), 20 June 2003, Par. No. 0020-0024, Figs. 1, 2

Document 7: JP 2002-223288 A (Toyota Motor Corp.), 09 August 2002, Par. No. 0014-0016, Fig. 1

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT / JP2004/012048

Box No. VI Certain documents cited

1. Certain published documents (Rule 43bis.1 and 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
JP 2004-246566 A	02.09.2004	13.02.2003	13.02.2003
[E, X]			

2. Non-written disclosures (Rule 43bis.1 and 70.9)

Kind of non-written disclosure	Date of non-written disclosure (day/month/year)	Date of written disclosure referring to non-written disclosure (day/month/year)

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.  
PCT / JP 2004 / 012048

Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: V.2

Claim 1

The invention of claim 1 is described in Par. No. 0008-0010, 0033, 0082, 0107-0109, and Figs. 1, 2, 5, 9 of document 1 or Par. No. 0015 and Fig. 3 of document 2 cited in the ISR and, therefore, does not appear to possess novelty or involve an inventive step.

Claim 2

The invention of claim 2 is described in Par. No. 0004, 0010-0012 and Fig. 1 of document 2 cited in the ISR and, therefore, does not appear to possess novelty or involve an inventive step.

Claim 3

The invention of claims 3 does not appear to involve an inventive step based on document 3 (Par. No. 0005) cited in the ISR. Employing a button switch capable of inputting numerals that differ depending on the number of pushing cycles as described in document 3 for the operation button of document 2 would be easy for a person skilled in the art.

Claim 4

The invention of claim 4 does not appear to involve an inventive step based on document 2 and document 4 or document 5 cited in the ISR. Using keys corresponding to numerical segments described in document 4 or document 5 for the operation button of document 2 would be easy for a person skilled in the art.

Claim 5

The invention of claim 5 is neither described in the documents cited in the ISR nor obvious to a person skilled in the art.

Claim 6

The invention of claim 6 does not appear to involve an inventive step based on documents 1-5 and document 6 or 7. Employing a configuration in which a hands-free device body and a cellular phone are connected by near-range communication as described in document 6 or 7 would be easy for a person skilled in the art.